

ABSTRACT OF THE DISCLOSURE

A lightweight, laminated structural component, such as a skin section for an aircraft fuselage, is constructed of at least two sheet metal plies that are adhesively bonded to each other. One 5 ply is an uninterrupted ply. The other ply is a lattice with open fields surrounded by strip shaped lands which fortify load exposed areas of the lamination. The open fields of the lattice make mechanical or chemical pocketing operations unnecessary. By shaping and positioning the strip shaped lands including 10 struts in accordance with load patterns to which an aircraft skin is exposed in use, the skin characteristics can be tailored as required.

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